

## **RAW SEQUENCE LISTING**

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Application Serial Number: 10/527,834  
Source: PCT  
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DATE: 03/03/2006

PATENT APPLICATION: US/10/527,834

TIME: 13:02:12

Input Set : A:\u015667-3.txt

Output Set: N:\CRF4\03032006\J527834.raw

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3 <110> APPLICANT: Nagaraja, Valakunja
4   Manjunatha, Ujjini Havaladar
5   Roy, Bhairab Nath
7 <120> TITLE OF INVENTION: PEPTIDE INHIBITORS FOR MYCOBACTERIAL DNA GYRASE
9 <130> FILE REFERENCE: U 015667-3
11 <140> CURRENT APPLICATION NUMBER: 10/527,834
12 <141> CURRENT FILING DATE: 2005-03-15
14 <150> PRIOR APPLICATION NUMBER: PCT/IN2002/000192
15 <151> PRIOR FILING DATE: 2002-09-20
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: PatentIn version 3.3
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 783
23 <212> TYPE: DNA
24 <213> ORGANISM: escherichia coli and Mus sp.
26 <400> SEQUENCE: 1
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31 aggcctggac aagcccttga gtggattgga gagattaatc ctagcaatgg tggactaac      180
33 ttcaatgaaa agttcaagac caaggccaca ctgactgtag acaaatccac cagcacagtc      240
35 tacatgcaac tcagcagcct gacatctgaa gactctgcgg tctattactg tacaagatgg      300
37 ggggttacgac gagggtttgc ttactggggc caagggacca cggtcaccgt ctctcaagt      360
39 ggaggcgggt caggcggagg tggctctggc ggtggcggat cggacatcga gctcactcag      420
41 tctccaaaat ccatgtccat gtcagtagga gagagggtca ccttgagttg caaggccagt      480
43 gagaatgtgg gtactcatgt atcctggtat caacagagac cagaggagtc tcctaaactg      540
45 ctgatatacg gggcatccaa ccggtacact ggggtccccg atcgcttcac aggcagtggc      600
47 tctgcaacag atttactct gaccatcagc aatgtgcagg ctgaagacct tgcagattat      660
49 cactgtggac agacttacag ctatccattc acattcggct tggggacaaa gttggaaata      720
51 aaacgggcgg ccgcaggtgc gccggtgccg tatccggatc cgctggaacc gcgtgccgca      780
53 tag
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 260
58 <212> TYPE: PRT
59 <213> ORGANISM: Escherichia coli and Mus sp.
61 <400> SEQUENCE: 2
63 Ala Gln Val Lys Leu Gln Gln Ser Gly Ala Glu Leu Val Arg Pro Gly
64 1           5           10           15
67 Ala Ser Val Lys Leu Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Val
68           20           25           30
71 Tyr Tyr Ile Tyr Trp Val Lys Gln Arg Pro Gly Gln Ala Leu Glu Trp
72           35           40           45
75 Ile Gly Glu Ile Asn Pro Ser Asn Gly Gly Thr Asn Phe Asn Glu Lys
76           50           55           60

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79 Phe Lys Thr Lys Ala Thr Leu Thr Val Asp Lys Ser Thr Ser Thr Val
80 65          70          75          80
83 Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr
84          85          90          95
87 Cys Thr Arg Trp Gly Leu Arg Arg Gly Phe Ala Tyr Trp Gly Gln Gly
88          100         105         110
91 Thr Thr Val Thr Val Ser Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly
92          115         120         125
95 Ser Gly Gly Gly Gly Ser Asp Ile Glu Leu Thr Gln Ser Pro Lys Ser
96          130         135         140
99 Met Ser Met Ser Val Gly Glu Arg Val Thr Leu Ser Cys Lys Ala Ser
100 145         150         155         160
103 Glu Asn Val Gly Thr His Val Ser Trp Tyr Gln Gln Arg Pro Glu Glu
104          165         170         175
107 Ser Pro Lys Leu Leu Ile Tyr Gly Ala Ser Asn Arg Tyr Thr Gly Val
108          180         185         190
111 Pro Asp Arg Phe Thr Gly Ser Gly Ser Ala Thr Asp Phe Thr Leu Thr
112          195         200         205
115 Ile Ser Asn Val Gln Ala Glu Asp Leu Ala Asp Tyr His Cys Gly Gln
116          210         215         220
119 Thr Tyr Ser Tyr Pro Phe Thr Phe Gly Leu Gly Thr Lys Leu Glu Ile
120 225         230         235         240
123 Lys Arg Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu
124          245         250         255
127 Pro Arg Ala Ala
128          260
131 <210> SEQ ID NO: 3
132 <211> LENGTH: 16
133 <212> TYPE: PRT
134 <213> ORGANISM: Escherichia coli and Mus sp.
136 <400> SEQUENCE: 3
138 Lys Ala Ser Gly Tyr Ser Phe Thr Val Tyr Tyr Ile Tyr Trp Val Lys
139 1          5          10          15
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143 <211> LENGTH: 14
144 <212> TYPE: PRT
145 <213> ORGANISM: Escherichia coli and Mus sp.
147 <400> SEQUENCE: 4
149 Thr Arg Trp Gly Leu Arg Arg Gly Phe Ala Tyr Trp Gly Gln
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**VERIFICATION SUMMARY**

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